

Converting Colors

$Y_{xy}(49.0640, 0.3185, 0.3316)$

Have a look what the booklet for
Yxy(49.0640, 0.3185, 0.3316)
contains.

Yxy(49.0640, 0.3185, 0.3316)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.0640, 0.3185, 0.3316)

Conversions

Conversions Part 1

Format	Color
Hex	BEB9B7
RGB	190, 185, 183
RGB Percent	75%, 73%, 72%
CMY	0.2550, 0.2745, 0.2825
CMYK	0.00, 0.03, 0.04, 0.25
HSL	17°, 5%, 73%
HSV	17°, 4%, 75%
XYZ	47.1257, 49.0640, 51.7717
YIQ	186.2670, 3.6220, 0.4380

Conversions

Conversions Part 2

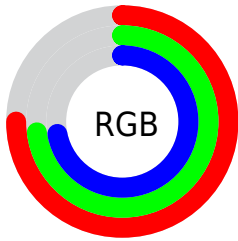
Format	Color
R_{YB}	190, 186, 183
Decimal	12499383
CIE Lab	75.49, 1.38, 1.64
CIE LCh	75, 2.146, 49.917
Yxy	49.0640, 0.3185, 0.3316
Android (android.graphics.Color)	4290689463 (0xFFBEB9B7)
YUV	186.2670, -1.6106, 3.2738
Hunter-Lab	70.0457, -2.4878, 5.2100

Details

The Yxy color **49.0640, 0.3185, 0.3316** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.7235, 0.3071, 0.3264**, and the grayscale version is **49.2670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.7354, 0.3172, 0.3310**, and **23.4326, 0.3206, 0.3325** is the 20% darker color. If you saturate the color by 10%, you get **42.9551, 0.3362, 0.3390**, and if you desaturate by 10%, it is **55.8180, 0.3036, 0.3247**.

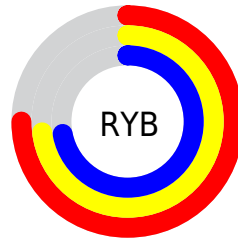
Distribution



Red (75%)

Green (73%)

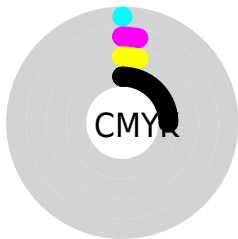
Blue (72%)



Red (75%)

Yellow (73%)

Blue (72%)

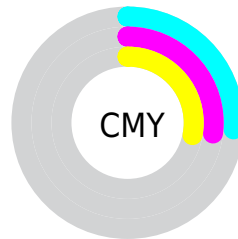


Cyan (0%)

Magenta (3%)

Yellow (4%)

Black (25%)



Cyan (26%)

Magenta (27%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0640, 0.3185, 0.3316 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 49.0640, 0.3185, 0.3316 by changing the saturation by 10% instead.

■ 49.0640, 0.3185,
0.3316

■ 49.0640, 0.3185,
0.3316

382.9942, 0.3156,
0.3303

■ 34.6703, 0.3192,
0.3319

■ 88.7865, 0.3175,
0.3311

■ 23.4090, 0.3201,
0.3323

114.8840, 0.3171,
0.3310

■ 14.8958, 0.3213,
0.3328

145.6516, 0.3167,
0.3308

■ 8.7463, 0.3230,
0.3336

181.4737, 0.3165,
0.3307

■ 4.5761, 0.3255,
0.3346

222.7346, 0.3162,
0.3306

■ 2.0007, 0.3296,
0.3364

269.8187, 0.3160,

■ 0.6079, 0.3462,

0.3305

0.3441

323.1104, 0.3158,
0.3304

0.0000, 0.0000,
0.0000

49.0640, 0.3185,
0.3316

49.0640, 0.3185,
0.3316

42.9551, 0.3362,
0.3390

55.8180, 0.3036,
0.3247

37.4660, 0.3571,
0.3468

63.2290, 0.2911,
0.3184

32.5789, 0.3819,
0.3548

71.3166, 0.2805,
0.3126

28.2726, 0.4107,
0.3626

79.8393, 0.2736,
0.3115

24.5248, 0.4434,
0.3695

88.0193, 0.2749,
0.3261

■ 21.3119, 0.4794,
0.3746

■ 89.6849, 0.2752,
0.3289

■ 18.6079, 0.5167,
0.3767

■ 16.3851, 0.5524,
0.3748

■ 14.6121, 0.5826,
0.3683

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.0640, 0.3176, 0.3291



49.0640, 0.3185, 0.3316



49.0640, 0.3179, 0.3335

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.0640, 0.3185, 0.3316



49.0640, 0.3101, 0.3315



49.0640, 0.3096, 0.3239

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



49.0640, 0.3185, 0.3316



49.7235, 0.3071, 0.3264

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



49.0640, 0.3076, 0.3246



49.0640, 0.3185, 0.3316



49.0640, 0.3079, 0.3289

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.0640, 0.3185, 0.3316



49.0640, 0.3130, 0.3334



49.0640, 0.3070, 0.3264



49.0640, 0.3125, 0.3247

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.0640, 0.3185, 0.3316



49.0640, 0.3166, 0.3341



49.0640, 0.3070, 0.3264



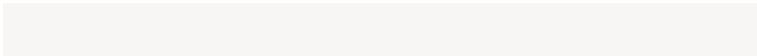
49.0640, 0.3088, 0.3240

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



49.0661, 0.3185, 0.3316



92.0889, 0.3143, 0.3297



48.4321, 0.3147, 0.3227



20.2352, 0.3142, 0.3297



97.7402, 0.3127, 0.3290



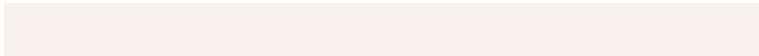
20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.0661, 0.3185, 0.3316



88.4961, 0.3191, 0.3319



50.5277, 0.3182, 0.3360



10.6132, 0.3201, 0.3323



9.2325, 0.5963, 0.3647



0.4784, 0.5477, 0.4033

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



49.7235, 0.3071, 0.3264



89.8059, 0.3065, 0.3261



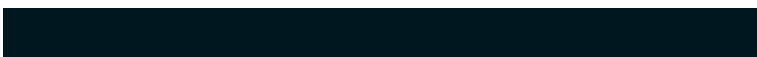
48.2672, 0.3072, 0.3220



10.7945, 0.3056, 0.3257



14.0845, 0.1980, 0.2326



0.6592, 0.2051, 0.2584

Previews

White Background



This preview shows how the Yxy color 49.0640, 0.3185, 0.3316 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 49.0640, 0.3185, 0.3316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

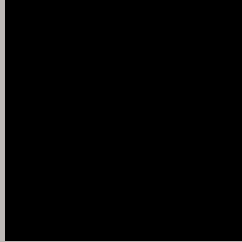
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

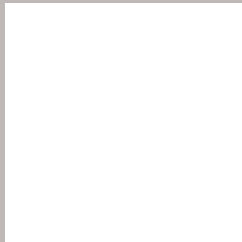
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.0640, 0.3185, 0.3316

Background



This preview shows how black text looks on a background with the Yxy color 49.0640, 0.3185, 0.3316.

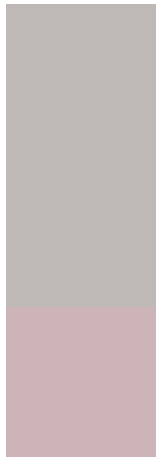


This preview shows how white text looks on a background with the Yxy color 49.0640, 0.3185, 0.3316.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

49.0640, 0.3185, 0.3316

Protanopia

49.0640, 0.3185, 0.3316

Deuteranopia

48.9406, 0.3303, 0.3242



Tritanopia

49.1047, 0.3094, 0.3116

Trichromacy



Original Color

49.0640, 0.3185, 0.3316

Protanomaly

49.0640, 0.3185, 0.3316

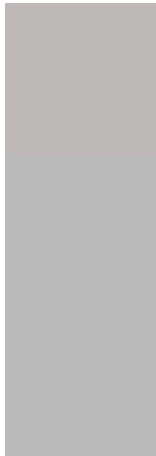
Deuteranomaly

49.0587, 0.3257, 0.3266

Tritanomaly

49.1631, 0.3123, 0.3190

Monochromacy



Original Color

49.0640, 0.3185, 0.3316

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.1854, 0.3143, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0640, 0.3185, 0.3316 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(190, 185, 183)` looks like.

```
.text, #text, p{  
    color:rgb(190, 185, 183)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(190, 185, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 185, 183) }
```

Border

The CSS property to change the border of an element to Yxy 49.0640, 0.3185, 0.3316 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(190, 185, 183) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(190, 185, 183) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(190, 185, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 185, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 185, 183);  
box-shadow:4px 4px 4px 4px rgb(190, 185,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0640, 0.3185, 0.3316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 185, 183) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(190,  
185, 183) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor